**July 7, 2020 AHD Learning Objectives**

**Making your Medical Knowledge Stick**

1. Commit to a study plan every week: what time and where will you read articles and do/review objectives?
2. What will you know when you are done studying each week and how will you test yourself to prove that you learned it?
3. How will you remind/refresh/review your knowledge to help it stick?

**Infectious Disease Emergencies:**

1. Make a table and compare/contrast the clinical syndromes and CSF studies (cell count, differential, protein, and glucose values) of viral meningitis, bacterial meningitis, and encephalitis.
2. Know the differential diagnosis to consider in viral meningitis, bacterial meningitis, and infectious encephalitis. Know the appropriate diagnostic test to order on the CSF (or serum) to confirm the diagnosis (culture, PCR, ELISA)
3. Describe the appropriate management IN ORDER of priority for the patient in whom you are concerned about bacterial meningitis. List the circumstances in which a CT scan of the brain should be ordered before a lumbar puncture is performed.
4. Make a table and compare/contrast the clinical spectrum of soft tissue infection including erysipelas, cellulitis, and necrotizing soft tissue infection. Know the differential diagnosis of the infectious organisms to consider in each of these infections.
5. Describe the appropriate empiric antibiotic therapy, imaging considerations (if any), and need for surgical intervention in the management of these infections.

**Covid 19:**

1.   Describe the epidemiology of SARS-CoV-2 (known as COVID 19).

2.   Recall the broad spectrum of clinical symptoms of presentation (asymptomatic, mild, moderate and severe) and understand the sensitivity and specificity of PCR testing and serology.

3.   Identify risk factors for severe disease.

4.   Recall four potential therapeutic strategies to manage the disease.